

Introduction to phylogenetic methods

ForBio opens for participation of max 10 external students from Norwegian or Swedish universities in the regular University of Bergen (UoB) course *Phylogenetic methods* (<http://www.uib.no/course/BIO332#course>).

Aims

The course aims primarily at students who will do phylogenetic computation in their thesis work, but who have no hands-on experience with some of the more frequently used software applications. Introductory lectures will cover topics such as properties of data and trees, models of evolutionary change, phylogenetic signal, model testing, and hypothesis testing. Participants will learn how to prepare their data, explore the properties of the data, how to use distance, parsimony, likelihood and Bayesian methods in computation in programs such as PAUP*, MrBayes, and BEAST, and how to present results with graphical applications.

Teachers / instructors

[Endre Willassen](#), University of Bergen
[Manuel Malaquias](#), University of Bergen
[Magnus Popp](#), University of Oslo

Schedule

The course has three successive modules:

1. lectures and software demonstrations (twice a week from late September)
2. intensive computer lab (October 18-22) at UoB
3. take home exam to be submitted electronically (early-mid November)

UoB grants 5 ECTS for a passed exam in this course.

Participation

Personal presence of participants is mandatory in module 2 only, but external students are required to study electronic course material to prepare for the computing class in October. **ForBio** will support accepted participants with travel and accommodation costs for the visit to Bergen

Application

Non-UoB students should send their application to:

Prof. Endre Willassen
University of Bergen
Bergen Museum
Allégaten 41
NO-5007 Bergen

The application must contain a curriculum vitae stating the academic background of the applicant, a letter of interest containing the topic and the present state of progress in the thesis work, and a letter of recommendation from the supervisor. The deadline for application is September 1.

More information

Please contact Christiane.Todt@bio.uib.no or Endre.Willassen@zmb.uib.no

The course is financially supported by:

The Norwegian-Swedish Research School in Biosystematics, via the Norwegian Taxonomy Initiative

<http://www.artsdatabanken.no/artPage.aspx?m=7>

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http://www.forskningsradet.no/en/Home_page/1177315753906